

ABSTRACT OF DISCLOSURE

A novel family of beta sub-unit proteins from a voltage-gated sodium channel, nucleic acids encoding them and therapeutic or diagnostic uses thereof.

The present invention relates to a novel family of beta sub-unit proteins from a voltage-gated sodium channel, and particularly the human and the rat beta sub-units which have been collectively identified as $\beta 3$, in view of their close structural relationship.

The invention also deals with the use of the $\beta 3$ sub-unit polypeptide or a fragment thereof as well as of the nucleic acids encoding same for therapeutic, diagnostic and screening purposes.